

# Medical Student Research Conference Awards

## September 15, 2023

### Mentor Awards

Summer Research Fellowship Outstanding Mentor in Basic Science Research

**Kelly Messingham, MD - Dermatology**

Nominated by Rachel Heinrich, M2

Summer Research Fellowship Outstanding Mentor in Clinical Research

**Ingrid Lizarraga, MBBS, FACS – Surgery-Surgical Oncology and Endocrine Surgery**

Nominated by Alexis Mata, M2

Summer Research Fellowship Outstanding Mentor in Translational Research

**David Kaczka, MD, PhD – Anesthesia, Radiology and Biomedical Engineering**

Nominated by Jian Gao, M2

### Student Awards

François M. Abboud Prize for Best Platform Presentation (U of I Foundation Award)

**Isaac Slagel, M2**                      **ORAL**

*Title: "Secondary Undertriage in a Rural Trauma System: Revisiting Twice-Transferred Patients to a Level 1 Trauma Center"*

**Mentor:** Colette Galet, Surgery

Donald D. Heistad Prize for Best Poster Presentation (U of I Foundation Award)

**Sam Hatfield, M2G**                      **POSTER**

*Title: "Foamated Hydrogels act Synergistically with Immune Therapy as a Local Niche for Peritumoral Dendritic Cells"*

**Mentor:** James Byrne, Radiation Oncology

Borts Award (U of I Foundation Award)

**Sydney Rand, M3**                      **ORAL**

*Title: "The Value of Inpatient Dermatology Consultations: Improving Patient Outcomes Through Expert Management"*

**Mentor:** Vincent Liu, Dermatology

Edward Heath Award (U of I Foundation Award)

**Rachel Heinrich, M2**                      **POSTER**

*Title: "The Impact of Systemic Immunosuppression on Cutaneous Wound Healing"*

**Mentor:** Kelly Messingham, Dermatology

Melvin Marcus Clinical Research Award (U of I Foundation Award)

**Austin Halupnik, M2**                      **POSTER**

*Title: "Retrospective Review of Swallowing Outcomes for Oropharynx and Larynx Patients after Chemoradiation"*

**Mentor:** Carryn Anderson, Radiation Oncology

Excellence in Global Health Programs Research Award

**Maiti Peters, M2**                      **POSTER**

*Title: "Knowledge, attitudes, and practices regarding malaria in women of the Orang Rimba"*

**Mentor:** Elissa Faro, Internal Medicine

Excellence in Anatomy and Cell Biology Research

**Jared Hill, M1**                      **POSTER**

*Title: "RalGPS2 Activates RalA for Primary Ciliogenesis in Epithelial Cells"*

**Mentor:** Charles Yeaman, Anatomy & Cell Biology

Margaret V. Lunsford Award for Research in Anesthesia

**Stephanie Gibbons, M2**            **POSTER**

*Title: "Disinfecting Luer-lock Syringe Tips of ST-5 S. aureus for Anesthesia Intravenous Access"*

**Mentor:** Randy Loftus, Anesthesia

Excellence in Anesthesia Research

**Jian Gao, M2**                        **POSTER**

*Title: "Assessing the Mechanical Properties of Acutely Injured Lungs: A Comparative Study of Traditional and Novel Ventilation Techniques Utilizing Computed Tomographic (CT) Imaging"*

**Mentor:** David Kaczka, Anesthesia

Arthur A. Spector Award in Basic Biomedical Research

**Ethan Angle, M2**                    **POSTER**

*Title: "Challenges in Applying Drug Docking Software to Computational Models of Whole Cells"*

**Mentor:** Adrian Elcock, Biochemistry

Nicholas P. Rossi Award for Cardiothoracic Surgery Research

**Syim Salahuddin, M2**            **ORAL**

*Title: "Loss of Muscarinic Receptors Innervation Increases Cell Proliferation in Acute Airway Injury."*

**Mentor:** Kalpaj Parekh, Cardiothoracic Surgery

Excellence in Dermatology Research

**Will Moody, M2**                    **ORAL**

*Title: "Development and Assessment of Systematic Educational Intervention to Improve Knowledge of Disease and Quality of Life by Cutaneous Lymphoma Patients"*

**Mentor:** Vincent Liu, Dermatology

Excellence in Emergency Medicine Research

**Klaudia Golebiewski, M2**        **ORAL**

*Title: "Fever as a protective factor for development of lung injury and kidney injury in patients with sepsis"*

**Mentor:** Nicholas Mohr, Emergency Medicine

Excellence in Family Medicine Research

**Abbie Lund, M2**                    **ORAL**

*Title: "Race and Rurality as Risk Factors for Preterm Birth"*

**Mentor:** Mark Santillan, Barcey Levy, David Bedell, Obstetrics & Gynecology

John Stokes Award for Research in Internal Medicine

**Kathy Nguyen, M2G**                **POSTER**

*Title: "Triggering Receptor Expressed on Myeloid Cells-1 (TREM-1) Restricts Allergic Airway Inflammation by Promoting Eosinophil Apoptosis"*

**Mentor:** Julia Klesney-Tait, Internal Medicine

Excellence in Internal Medicine Research

**Katie Choate, M2**                      **POSTER**

*Title: "Significance of alkaline phosphatase elevations in alcoholic hepatitis"*

**Mentor:** Kyle Brown, Internal Medicine

Excellence in Internal Medicine Research

**Jason Hristopoulos, M1G**            **POSTER**

*Title: "Assessing the effects of CDK4/6 and MEK1/2 inhibition in Undifferentiated Pleomorphic Sarcoma"*

**Mentor:** Rebecca Dodd, Internal Medicine

Excellence in Basic Neuroscience Research

**Richie Zhang, M2**                    **POSTER**

*Title: "A neural pathway for auditory stress"*

**Mentor:** Joel Geerling, Neurology

Excellence in Clinical Neuroscience Research

**AJ Chowdhury, M4**                    **ORAL**

*Title: "Surgical management of symptomatic vertebral hemangiomas: a single institution experience and literature review"*

**Mentor:** Patrick Hitchon, Neurosurgery

Excellence in Translational Neuroscience Research

**Arshaq Saleem, M2**                    **POSTER**

*Title: "Radiomic Characterization of Brain Aneurysms"*

**Mentor:** Edgar Samaniego, Neurology

Excellence in Neuroscience and Pharmacology Research

**Victor Kilonzo, M2G**                    **POSTER**

*Title: "Investigating learning-induced expression of Nr4A2 in the ventral tegmental area and dorsal hippocampus"*

**Mentor:** Ted Abel, Pharmacology

Excellence in Clinical Research in Obstetrics & Gynecology

**Abby Davison, M2**                    **ORAL**

*Title: "Indications for umbilical cord drug testing and associations of positive test results with PHQ-9 scores"*

**Mentor:** Abbey Hardy-Fairbanks, Obstetrics & Gynecology

Excellence in Obstetrics & Gynecology Research

**Katie Weston, M2**                    **POSTER**

*Title: "Comparison of Surgical Success Between Novel Prolapse Phenotypes"*

**Mentor:** Joseph Kowalski, Obstetrics & Gynecology

Thomas A. Weingeist Award in Ophthalmology

**Peter Sanchez, M4**                    **ORAL**

*Title: "Resident Exposure to Oculofacial Diagnoses On Call at an Academic Level I Trauma Center"*

**Mentor:** Erin Shriver, Ophthalmology & Visual Sciences

William E. Scott Research Award in Ophthalmology

**Kaitlyn Grimes, M1**                      **POSTER**

*Title: "Risk of vision threatening complications with sports in Juvenile X-linked Retinoschisis"*

**Mentor:** Arlene Drack, Ophthalmology & Visual Sciences

Hansjoerg E. Kolder Award for Ophthalmology Research

**Thomas Martinez, M2**                      **POSTER**

*Title: "Prognostic Factors for Long Term Outcomes in Neovascular Age-Related Macular Degeneration"*

**Mentor:** Elliott Sohn, Ophthalmology & Visual Sciences

Ignasio V. Ponseti Prize in Orthopaedic Research

**Gretchen Jones, M2**                      **POSTER**

*Title: "A Retrospective Review of Hormonal Contraceptive Use in Young Women Undergoing ACL Surgery"*

**Mentor:** Kyle Duchman, Orthopaedics and Rehabilitation

Research Excellence in Orthopaedics

**Matt Van Engen, M4**                      **ORAL**

*Title: "DAIR for Periprosthetic Joint Infection in Primary versus Revision Knee Arthroplasty – A Comparison in Survival Rate"*

**Mentor:** Nicolas Noiseux, Orthopaedics and Rehabilitation

Excellence in Otolaryngology Research

**Eric Vallin, M2**                      **POSTER**

*Title: "Similarities of FOXP2 Expression in the Brainstem of Rodents, Rhesus Monkeys, and Humans"*

**Mentor:** Matthew Hoffman, Otolaryngology

Richard G. Lynch Award for Excellence in Pathology Research

**Andreas Kantartzis, M2G**                      **ORAL**

*Title: "ELISpot Optimization for Sepsis Immunophenotyping"*

**Mentor:** Vladimir Badovinac, Pathology

Richard G. Lynch Award for Excellence in Pathology Research

**Haley Steffen, M4**                      **POSTER**

*Title: "BMI at delivery and associated maternal and neonatal outcomes"*

**Mentor:** Brooks Jackson, Pathology

Excellence in Pediatric Basic Science Research

**David Chang, M1G**                      **POSTER**

*Title: "Gene Transfer Efficiency in Models of Increased Secreted Airway Mucins"*

**Mentor:** Patrick Sinn, Pediatrics

Excellence in Pediatric Clinical Research

**Daniel Moe, M2**                      **POSTER**

*Title: "Associations Between Vitamin D and Pediatric Celiac Disease Presentation"*

**Mentor:** Riad Rahhal, Pediatrics

George Winokur Research Award in Psychiatry

**Lucy Olson, M2**                      **POSTER**

*Title: "Exploring iron as a biomarker of neurodegeneration in Huntington's Disease: A longitudinal study"*

**Mentor:** Peg Nopoulos, Psychiatry

Bob Robinson Research Award in Psychiatry

**Noah Gritters, M2**                      **ORAL**

*Title: "Associations between NIH Toolbox Emotional Battery measures and previous suicide attempt in bipolar disorder type I"*

**Mentor:** Vincent A. Magnotta, Radiology

Lauretta Bender Research Award in Psychiatry

**Vaughan Schwob, M2**                      **POSTER**

*Title: "Predictors of later diagnosis in autistic females"*

**Mentor:** Jacob Michaelson, Psychiatry

Jason Martin Medical Student Research Award in Radiology

**Emily Fuller, M4**                      **POSTER**

*Title: "Predictors of Tissue Infarction from Distal Emboli after Mechanical Thrombectomy"*

**Mentor:** Colin Derdeyn, Radiology

Larry W. Oberley Award in Radiation Oncology

**Ikenna Nwosu, M2**                      **POSTER**

*Title: "Intravesical Device for Non-Muscle Invasive Bladder Cancer"*

**Mentor:** James Byrne, Radiation Oncology

Kimberly Ephgrave Medical Student Award for Research in Surgery

**Braden Rolig, M3**                      **ORAL**

*Title: "Lymphopenia in Burn Patients Predicts Discharge Disposition"*

**Mentor:** Patrick McGonagill, Surgery

Excellence in Urology Research

**Jackson Dunning, M2**                      **ORAL**

*Title: "Determining Best Treatments for Pediatric Bladder and Bowel Dysfunction"*

**Mentor:** Douglas Storm, Urology